What is claimed is:

- 1 1. A method of performing a location service with respect to a mobile station,
- 2 comprising:
- 3 communicating a paging message in a mobile communications network
- 4 containing an indication of whether the paging message is related to at least one of an
- 5 emergency-related location service and a law enforcement-related location service;
- 6 and
- 7 communicating information regarding the location of the mobile station.
- 1 2. The method of claim 1, wherein communicating the paging message
- 2 comprises a base station sending a page containing the indication to a mobile station.
- 1 3. The method of claim 2, wherein sending the page containing the indication
- 2 comprises sending one of a general page message (GPM) containing the indication
- and a universal page message (UPM) containing the indication.
- 1 4. The method of claim 3, wherein sending the page comprises sending the page
- 2 containing a first information element to identify service option 35 or service option
- 3 36, and a second information element to indicate whether the page is related to the
- 4 emergency-related location service or law enforcement-relate location service.
- 1 5. The method of claim 4, further comprising a base station setting a state of the
- 2 second information element based on a state of a field in a paging request from a
- 3 mobile switching center indicating whether the paging request is related to the
- 4 emergency-related location service or the law enforcement-related service.
- 1 6. The method of claim 1, wherein communicating the paging message
- 2 comprises sending a paging request containing the indication from a mobile switching
- 3 center to a base station.
- 1 7. The method of claim 6, wherein sending the paging request comprises sending
- 2 an IS-2001 paging request containing the indication.

- 1 8. The method of claim 6, further comprising:
- the mobile switching center receiving a position request containing a field
- 3 indicating whether the position request is related to at least one of the emergency-
- 4 related location service and the law enforcement-related location service; and
- 5 the mobile switching center setting a state of the indication in the paging
- 6 request based on the field contained in the position request.
- 1 9. The method of claim 8, wherein receiving the position request comprises
- 2 receiving an InterSystemPositionRequest INVOKE (ISPOSREQ) message containing
- a CTYP field, the CTYP field indicating whether the position request is related to at
- 4 least one of the emergency-related location service and the law enforcement-related
- 5 location service.
- 1 10. The method of claim 6, further comprising the mobile switching center
- 2 receiving a position request capable of containing a field indicating whether the
- 3 position request is related to at least one of the emergency-related location service and
- 4 the law enforcement-related location service; and
- 5 the mobile switching center setting a state of the indication in the paging
- 6 request based on absence of the field in the paging request.
- 1 11. The method of claim 1, further comprising sending a position determination
- 2 data message (PDDM) containing an indication of whether the PDDM is related to at
- 3 least one of an emergency-related location service and a law enforcement-related
- 4 location service.

1

- 1 12. The method of claim 11, wherein sending the PDDM message comprises
- 2 sending an TIA/EIA/IS-801 PDDM message.
 - 13. The method of claim 11, further comprising:
- 2 receiving a position request containing a field indicating whether the position
- 3 request is related to at least one of the emergency-related location service and the law
- 4 enforcement-related location service; and

6

7

8

9

10

11

- 5 setting a state of the indication in the PDDM based on a state of the field in the 6 position request. 1 14. The method of claim 13, wherein receiving the position request containing the 2 field comprises receiving a GeoPositionRequest INVOKE (GPOSREQ) message 3 containing a CTYP field. 15. 1 The method of claim 1, further comprising: 2 receiving the paging message by the mobile station that is not on a traffic 3 channel and that is configured to accept an emergency-related location service or a 4 law enforcement-related location service but not a value-added service location 5 service; and 6 the mobile station responding to the paging message by sending a page 7 response with one of service option 35 and 36. 1 16. The method of claim 15, further comprising the mobile station determining, by 2 examining the paging message, that a location service-related service option requested 3 in the paging message should be accepted, based on association of the paging message 4 with either an emergency-related location service or a law enforcement-related 5 location service. 1 17. The method of claim 1, wherein the mobile station is not on a traffic channel 2 and is configured to accept only an emergency-related location service or a law 3 enforcement-related location service, the method further comprising: 4
- the mobile station communicating position determination data messages (PDDMs) on an assigned traffic channel with a position determination entity (PDE); 5

the mobile station determining whether one or more received PDDMs are related to the emergency-related location service or law enforcement-related location service; and

in response to determining that the one or more received PDDMs are related to the emergency-related location service or law enforcement-related location service, the mobile station accepting request elements in the one or more received PDDMs.

indication.

7

1 18. An article comprising at least one storage medium containing instructions that 2 when executed cause a mobile station in a wireless communications network to: 3 communicate messaging to move the mobile station to a traffic channel in response to a callback by at least one of an emergency services entity and a law 4 enforcement entity; 5 6 receive a location request on the traffic channel containing an indication of 7 whether the location request is related to at least one of an emergency-related location service and a law enforcement-related location service; and 8 9 send location information of the mobile station in response to the location 10 request. 19. 1 The article of claim 18, wherein receiving the location request comprises 2 receiving a position determination data message (PDDM) containing the indication. 1 20. The article of claim 18, wherein the mobile station has been configured to 2 accept an emergency-related location service or a law enforcement-related location 3 service but not a value-added service location service, 4 the instructions when executed causing the mobile station to determine 5 whether to accept the location request based on the indication contained in the 6 location request, 7 wherein sending the location information is performed in response to 8 determining that the location request is to be accepted. 1 21. The article of claim 18, wherein the instructions when executed cause the 2 mobile station to further: 3 receive a page from a base station, the page containing an indication that the 4 page is associated with at least one of an emergency-related location service and a law 5 enforcement-related location service; and 6 respond to the page by accepting a service option of the page based on the

- 1 22. A system comprising:
- 2 an interface to communicate a paging message; and
- a controller to set an indication in the paging message for indicating whether
- 4 the paging message is related to at least one of an emergency-related service and a
- 5 law enforcement-related location service.
- 1 23. The system of claim 22, wherein the controller is adapted to send the paging
- 2 message to a mobile station in response to an idle-mode query initiated by an
- 3 emergency services entity to a mobile station.
- 1 24. The system of claim 22, comprising a mobile switching center including the
- 2 interface and controller, wherein the paging message comprises a paging request sent
- 3 from the mobile switching center to a base station.
- 1 25. The system of claim 22, comprising a base station including the interface and
- 2 controller, wherein the paging message comprises a page from the base station to the
- 3 mobile station.
- 1 26. The system of claim 22, wherein the controller is adapted to send data over a
- 2 traffic channel, the data comprising a position determination data message (PDDM)
- 3 containing an indication of whether the PDDM is related to emergency services.
- 1 27. A mobile station comprising:
- 2 an interface to receive a page containing an indication of whether the page is
- 3 related to at least one of an emergency-related location service and a law
- 4 enforcement-related location service; and
- 5 a controller to respond to the page based on the indication.
- 1 28. The mobile station of claim 27, wherein the mobile station is configured to
- 2 accept a service option specified by a page relating to an emergency-related location
- 3 service or a law enforcement-related location service, but not to accept another
- 4 service option specified by a page relating to a value-added location service,

- 5 the controller to accept the page in response to the indication indicating that
- 6 the page is related to the emergency-related location service or law enforcement-
- 7 related location service.
- 1 29. The mobile station of claim 28, wherein the page contains a first information
- 2 element to indicate that the page is location-related, and a second information element
- 3 to indicate that the page relates to an emergency service or a law enforcement service.
- 1 30. The mobile station of claim 27, comprising one of a mobile phone, a portable
- 2 computer with a wireless modem, a wireless-enabled personal digital assistant
- 3 (PDAs), and a global positioning system (GPS) device.